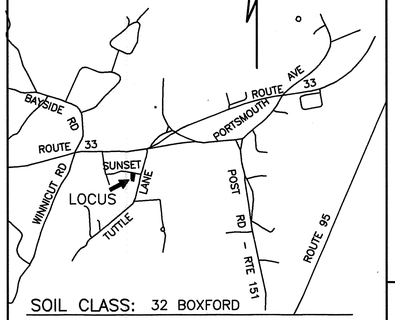
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 32 BOXFORD

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1 SET HUB ELEV 50.00

#2 COR DECK ELEV 55.03

#3 SET NAIL BASE TREE ELEV 48.33

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 50.3 WHICH IS APPROX 1" BELOW ORIGINAL GROUND ON THE HIGH CONTOUR OF DESIGNED EDS. (EL 50.4)

SUITABLE REPLACEMENT AREA:

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

50 — EXISTING CONTOUR

(50) — PROPOSED CONTOUR

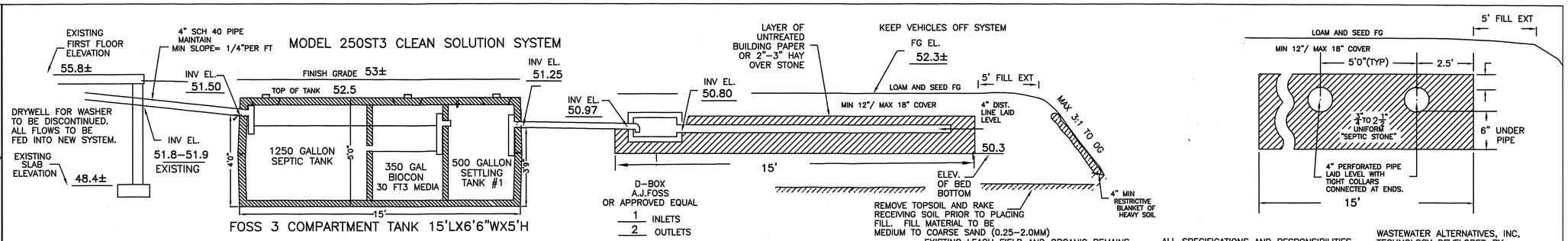
50.0 — EXISTING SPOT ELEVATION

(50.0) — PROPOSED SPOT ELEVATION

NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: RCRD 2089–407, PLAN #03038
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: N/A LOT CREATED 1960
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL WASTE.
4. NO SURFACE WATER OR WELL WITHIN 75' OF PROPOSED SYSTEM.

PLOT PLAN 1" = APPROX _____

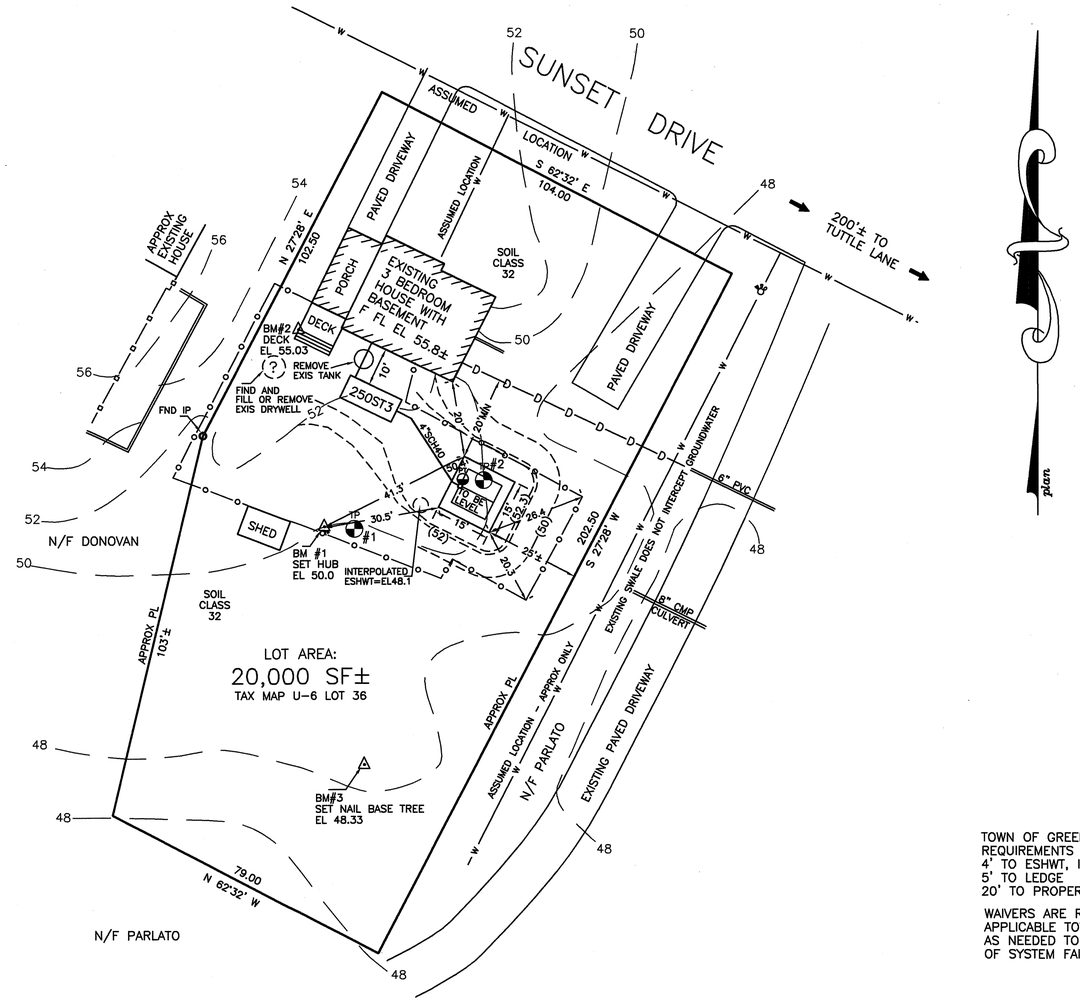

EXISTING FIRST FLOOR ELEVATION 55.8±
4" SCH 40 PIPE MAINTAIN MIN SLOPE= 1/4"PER FT
MODEL 250ST3 CLEAN SOLUTION SYSTEM
INV EL. 51.50
FINISH GRADE 53±
INV EL. 51.25
TOP OF TANK 52.5
DRYWELL FOR WASHER TO BE DISCONTINUED. ALL FLOWS TO BE FED INTO NEW SYSTEM.
INV EL. 51.8–51.9 EXISTING
EXISTING SLAB ELEVATION 48.4±
1250 GALLON SEPTIC TANK
350 GAL BIOCON 30 FT3 MEDIA
500 GALLON SETTLING TANK #1
15'
FOSS 3 COMPARTMENT TANK 15'LX6'6"WX5'H
WITH FOUNDATION DRAINS
USE NON–SHRINK MORTAR SEALANT OR APPROVED EQUAL
INV EL. 50.97
INV EL. 50.80
D–BOX A.J.FOSS OR APPROVED EQUAL
1 INLETS
2 OUTLETS
LAYER OF UNTREATED BUILDING PAPER OR 2"–3" HAY OVER STONE
KEEP VEHICLES OFF SYSTEM
FG EL. 52.3±
5' FILL EXT
LOAM AND SEED FG
MIN 12"/ MAX 18" COVER
4" DIST. LINE LAID LEVEL
MAX 3:1 TO OC
50.3
15'
ELEV. OF BED BOTTOM
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM TO COARSE SAND (0.25–2.0MM) EXISTING LEACH FIELD AND ORGANIC REMAINS TO BE REMOVED. MIN 24" UNDER NEW BED TO BE NEW SEPTIC SAND.
4" MIN RESTRICTIVE BLANKET OF HEAVY SOIL
5' FILL EXT
LOAM AND SEED FG
MIN 12"/ MAX 18" COVER
5'0"(TYP)
2.5'
3/4" TO 2-1/2" UNIFORM "SEPTIC STONE"
6" UNDER PIPE
4" PERFORATED PIPE LAID LEVEL WITH TIGHT COLLARS CONNECTED AT ENDS.
15'

ALL SPECIFICATIONS AND RESPONSIBILITIES OUTLINED IN THE CLEAN SOLUTION MANUAL ARE A PART OF THIS DESIGN. MAINTENANCE CONTRACT MUST BE EXECUTED PRIOR TO INSTALLATION.

WASTEWATER ALTERNATIVES, INC,
TECHNOLOGY DEVELOPED BY:
HAROLD DAVIS
37 CHAMPNEY STREET
GROTON, MA 01450
978 448–2415

CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

PLAN : 1"=20'



TOWN OF GREENLAND REQUIREMENTS INCLUDE:
4' TO ESHWT, IMPERMEABLE
5' TO LEDGE
20' TO PROPERTY LINES

WAIVERS ARE REQUESTED FROM ANY APPLICABLE TOWN REQUIREMENTS AS NEEDED TO PERMIT CORRECTION OF SYSTEM FAILURE.

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

MAINTENANCE CONTRACT SUBMITTED WITH THIS PLAN FOR APPROVAL.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

TP TEST PIT DATA

DATE: SEPT 13, 2005
TOWN INSPECTOR: BOB CUSHMAN

TEST PIT # 1 EL 50.0

0 –14" 10YR4/4 FINE SANDY LOAM, GRANULAR FRIABLE
14–18" 10YR5/6 FINE SANDY LOAM, GRANULAR FRIABLE
18–84" 2.5Y5/4 VERY FINE SANDY LOAM, MASSIVE, SOMEWHAT FIRM TO FIRM, INCREASING SILTS WITH DEPTH
ESHWT @ 18", NO OBSERVED WATER, NO REFUSAL.
FEW ROOTS TO 30"

TEST PIT #2 EL 49.9

0 –19" 10YR4/4 FINE SANDY LOAM, GRANULAR FRIABLE
19–26" 10YR5/6 FINE SANDY LOAM, GRANULAR FRIABLE
26–84" 2.5Y5/4 SILTY FINE SANDY LOAM, MASSIVE, FIRM
ESHWT @ 26", NO OBSERVED WATER, NO REFUSAL,
FEW ROOTS TO 36"

PT PERC TEST DATA

ESTIMATED PERC RATE AT 24" DEPTH – 8 MIN/IN
SEPT 13, 2005

DESIGN LOADING: EXISTING 3 BEDROOM HOUSE

AREA REQUIRED: WASTEWATER ALTERNATIVES DESIGN DISPERSAL FIELD FOR 3 BEDROOM HOUSE = 75–100 SF

AREA PROPOSED: 15' X 15' = 225 SF DISPERSAL AREA PROVIDED

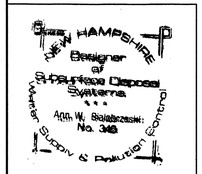
PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM

LOCUS: 15 SUNSET DRIVE
GREENLAND, NH

OWNER: FRANCIS SCHERER
15 SUNSET DRIVE
GREENLAND, NH 03840



APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843–1306

DATE: SEPT 22, 2005
REVISED OCT 11,2005

APPROVAL: CA20050716303

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